

CALIFORNIA AIR RESOURCES BOARD  
MONTHLY QUALITY MAINTENANCE CHECK SHEET  
VOLUMETRIC FLOW CONTROL PM10 SAMPLERS

Location: \_\_\_\_\_ Month/Year: \_\_\_\_\_  
 Station Number: \_\_\_\_\_ Technician: \_\_\_\_\_  
 Property Number: \_\_\_\_\_ Agency: \_\_\_\_\_

|                               |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|
| Sample Date:                  |  |  |  |  |  |  |
| Filter Number:                |  |  |  |  |  |  |
| Initial Filter Pressure Drop: |  |  |  |  |  |  |
| Final Filter Pressure Drop:   |  |  |  |  |  |  |
| Avg. 24 hr Ambient Temp.:     |  |  |  |  |  |  |
| Avg. 24 hr Ambient Press.:    |  |  |  |  |  |  |
| Initial Time Meter Reading:   |  |  |  |  |  |  |
| Final Time Meter Reading:     |  |  |  |  |  |  |

OPERATOR INSTRUCTIONS:

- Each Run: Check and record the pre and post filter drop readings, inspect faceplate gasket, verify flow recorder operation, record initial and final elapsed time meter readings.
- 30 Day Interval: Fixed Orifice Check    Date performed \_\_\_\_\_

|                        |       |           |            |               |
|------------------------|-------|-----------|------------|---------------|
|                        | Slope | Intercept | Cert. Date | Cert. Expires |
| Orifice Certification: |       |           |            |               |

|                             |                           |                      |                               |                              |
|-----------------------------|---------------------------|----------------------|-------------------------------|------------------------------|
|                             | Orifice<br>Indicated flow | Orifice<br>True Flow | Sampler Mag<br>Indicated Flow | Percent diff.<br>from 40 cfm |
| Flow Verification Readings: |                           |                      |                               |                              |

- Interval as required: Clean sampler and greased shim. Date last cleaned: \_\_\_\_\_
- 800 Interval: Replace sampler motor brushes and inspect armature, motor shaft, motor gaskets, motor wiring, and flow meter.    Date Performed: \_\_\_\_\_ Motor Reading: \_\_\_\_\_
- Semi-Annual: Calibrate sampler. Date last calibrated: \_\_\_\_\_

| Date | Comments or Maintenance Performed: |
|------|------------------------------------|
|      |                                    |
|      |                                    |
|      |                                    |

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_.